

SEQUENCE LISTING

<110> PAHL, HEIKE

<120> PRV-1 AND THE USE THEREOF

<130> LEDER-1

<140> 09/830,189

<141> 2001-08-06

<150> PCT/EP99/07238

<151> 1999-09-30

<150> 198 49 044.5

<151> 1998-10-23

<160> 9

<170> PatentIn Ver. 2.1

<210> 1

<211> 1600

<212> DNA

<213> Homo sapiens

<400> 1

```

aaaagcagaa agagattacc agccacagac gggtcattgag cgcggtatta ctgctggccc 60
tcctgggggtt catcctccca ctgccaggag tgcaggcgct gctctgccag tttgggacag 120
ttcagcatgt gtggaagggtg tccgacctgc cccggcaatg gaccctaag aacaccagct 180
gcgacagcgg cttgggggtgc caggacacgt tgatgctcat tgagagcgga cccaagtga 240
gcctggtgct ctccaagggc tgcacggagg ccaaggacca ggagccccgc gtcactgagc 300
accggatggg ccccggcctc tccctgatct cctacacctt cgtgtgccgc caggaggact 360
tctgcaacaa cctcgttaac tccctccgc tttgggcccc acagcccca gcagaccag 420
gaccccttgag gtgcccagtc tgcctgtcta tggaaggctg tctggagggg acaacagaag 480
agatctgccc caaggggacc acacactggt atgatggcct cctcaggctc aggggaggag 540
gcatcttctc caatctgaga gtccagggat gcatgcccc aacaggttgc aacctgctca 600
atgggacaca ggaaattggg cccgtgggta tgactgagaa ctgcaatagg aaagattttc 660
tgacctgtca tcgggggacc accattatga cacacggaaa cttggctcaa gaacccactg 720
attggaccac atcgaatacc gagatgtgcg aggtggggca ggtgtgtcag gagacgctgc 780
tgctcataga tgtaggactc acatcaaccc tgggtggggac aaaaggctgc agcactgttg 840
gggctcaaaa ttcccagaag accaccatcc actcagcccc tccctggggtg cttgtggcct 900
cctataccca cttctgtctc tcggacctgt gcaatagtgc cagcagcagc agcgttctgc 960
tgaactccct ccctcctcaa gctgcccctg tcccaggaga ccggcagtgt cctacctgtg 1020
tgcagcccc tggaaacctgt tcaagtggct cccccgaat gacctgcccc aggggagcca 1080
ctcattgtta tgatgggtac attcatctct caggagggtg gctgtccacc aaaatgagca 1140
ttcagggtcg cgtggcccaa ccttcagct tcttgttgaa ccacaccaga caaatcgga 1200
tcttctctgc gcgtgagaag cgtgatgtgc agcctcctgc ctctcagcat gagggagggtg 1260
gggctgaggg cctggagtct ctcacttggg ggggtgggct ggcactggcc ccagcgctgt 1320
ggtggggagt ggtttgacct tccctgtaac tctattaccc ccacgattct tcaccgctgc 1380
tgaccacca cactcaacct cctctgacc tcataacct atggccttgg acaccagatt 1440
ctttccatt ctgtccatga atcatcttcc ccacacaaa tcattcatat ctactcacct 1500
aacagcaaca ctggggagag cctggagcat ccggacttgc cctatgggag aggggacgct 1560
ggaggagtgg ctgcatgtat ctgataatac agaccctgtc 1600

```

<210> 2

<211> 437

<212> PRT

<213> Homo sapiens

<400> 2

Met Ser Ala Val Leu Leu Ala Leu Leu Gly Phe Ile Leu Pro Leu
 1 5 10 15

Pro Gly Val Gln Ala Leu Leu Cys Gln Phe Gly Thr Val Gln His Val
 20 25 30

Trp Lys Val Ser Asp Leu Pro Arg Gln Trp Thr Pro Lys Asn Thr Ser
 35 40 45

Cys Asp Ser Gly Leu Gly Cys Gln Asp Thr Leu Met Leu Ile Glu Ser
 50 55 60

Gly Pro Gln Val Ser Leu Val Leu Ser Lys Gly Cys Thr Glu Ala Lys
 65 70 75 80

Asp Gln Glu Pro Arg Val Thr Glu His Arg Met Gly Pro Gly Leu Ser
 85 90 95

Leu Ile Ser Tyr Thr Phe Val Cys Arg Gln Glu Asp Phe Cys Asn Asn
 100 105 110

Leu Val Asn Ser Leu Pro Leu Trp Ala Pro Gln Pro Pro Ala Asp Pro
 115 120 125

Gly Ser Leu Arg Cys Pro Val Cys Leu Ser Met Glu Gly Cys Leu Glu
 130 135 140

Gly Thr Thr Glu Glu Ile Cys Pro Lys Gly Thr Thr His Cys Tyr Asp
 145 150 155 160

Gly Leu Leu Arg Leu Arg Gly Gly Gly Ile Phe Ser Asn Leu Arg Val
 165 170 175

Gln Gly Cys Met Pro Gln Pro Gly Cys Asn Leu Leu Asn Gly Thr Gln
 180 185 190

Glu Ile Gly Pro Val Gly Met Thr Glu Asn Cys Asn Arg Lys Asp Phe
 195 200 205

Leu Thr Cys His Arg Gly Thr Thr Ile Met Thr His Gly Asn Leu Ala
 210 215 220

Gln Glu Pro Thr Asp Trp Thr Thr Ser Asn Thr Glu Met Cys Glu Val
 225 230 235 240

Gly Gln Val Cys Gln Glu Thr Leu Leu Leu Ile Asp Val Gly Leu Thr
 245 250 255

Ser Thr Leu Val Gly Thr Lys Gly Cys Ser Thr Val Gly Ala Gln Asn
 260 265 270

Ser Gln Lys Thr Thr Ile His Ser Ala Pro Pro Gly Val Leu Val Ala
 275 280 285

Ser Tyr Thr His Phe Cys Ser Ser Asp Leu Cys Asn Ser Ala Ser Ser
 290 295 300
 Ser Ser Val Leu Leu Asn Ser Leu Pro Pro Gln Ala Ala Pro Val Pro
 305 310 315 320
 Gly Asp Arg Gln Cys Pro Thr Cys Val Gln Pro Leu Gly Thr Cys Ser
 325 330 335
 Ser Gly Ser Pro Arg Met Thr Cys Pro Arg Gly Ala Thr His Cys Tyr
 340 345 350
 Asp Gly Tyr Ile His Leu Ser Gly Gly Gly Leu Ser Thr Lys Met Ser
 355 360 365
 Ile Gln Gly Cys Val Ala Gln Pro Ser Ser Phe Leu Leu Asn His Thr
 370 375 380
 Arg Gln Ile Gly Ile Phe Ser Ala Arg Glu Lys Arg Asp Val Gln Pro
 385 390 395 400
 Pro Ala Ser Gln His Glu Gly Gly Gly Ala Glu Gly Leu Glu Ser Leu
 405 410 415
 Thr Trp Gly Val Gly Leu Ala Leu Ala Pro Ala Leu Trp Trp Gly Val
 420 425 430
 Val Cys Pro Ser Cys
 435

<210> 3
 <211> 24
 <212> DNA
 <213> Homo sapiens

<400> 3
 aaaagcagaa agagattacc agcc

24

<210> 4
 <211> 24
 <212> DNA
 <213> Homo sapiens

<400> 4
 ggctggtaat ctctttctgc tttt

24

<210> 5
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 5
 Lys Val Ser Asp Leu Pro Arg Gln Trp Thr Pro Lys Asn
 1 5 10

<210> 6
<211> 15
<212> PRT
<213> Homo sapiens

<400> 6
Ser Ala Arg Glu Lys Arg Asp Val Gln Pro Pro Ala Ser Gln His
1 5 10 15

<210> 7
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 7
attagggttat gaggtcagag ggaggtt

27

<210> 8
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 8
gcagaaagag attaccagcc acagacgg

28

<210> 9
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 9
gaatcgtggg ggtaatagag ttagcagg

28